(EM 323)

III/IV B.Tech. DEGREE EXAMINATION,
OCTOBER 2005.

Second Semester

SOFTWARE ENGINEERING

Time : Three hours Maximum : 70 marks

All questions carry equal marks.

Answer Question No. 1 compulsorily. (1 × 14 = 14)

Answer ONE question from each Unit. (4 × 14 = 56)

1. (a) What are the four major activities in Spiral model?

(b) Define S/W Engineering.

(c) What are S/W myths?

(d) Give an example for automated test tool.

(e) What is regression testing?

(f) What are size oriented metrics?

(g) Define function independence.

(h) What is risk assessment?

(i) What is forward engineering?

(j) What is COCOMO?

(k) What is data dictionary?

(l) What is SRS document?

(m) What is requirement analysis?

(n) What is Black Box testing?

UNIT I

2. (a) Explain about classic life cycle. (8)

(b) Discuss about different measures of S/W quality. (6)

Or

(c) Explain in detail about function oriented metrics. (8)

(d) Explain about prototyping model. (6)

UNIT II

3. (a) Develop an analysis model for Library Information System. (14)

Or

(b) Explain in detail about different phases in S/W Engineering. (14)

UNIT III

4. (a) Explain about cohesion and coupling. (8)

(b) Explain different categories of Human Computer Interaction design guidelines. (6)

Or

(c) Differentiate transform and transaction flow. (8)

(d) Discuss about different interface design models. (6)

UNIT IV

5. (a) Explain about Basis path testing. (8)

(b) Discuss about verification and validation. (6)

Or

(c) Explain different categories of automated test tools. (8)

(d) Explain about integration testing. (6)
